

ABSTRACT OF THE DISCLOSURE

A downhole fiber optic wet connect and gravel pack completion. In a
5 described embodiment, a system for making fiber optic connections in a
subterranean well includes a first fiber optic connector positioned in the well and
a second fiber optic connector operatively connected to the first fiber optic
connector after the first fiber optic connector is positioned in the well. A method
of monitoring a subterranean well includes the steps of: positioning a fiber optic
10 line in the well, the fiber optic line extending in a formation intersected by the
well; positioning another fiber optic line in the well, the fiber optic line extending
to a remote location; operatively connecting the fiber optic lines while the fiber
optic lines are in the well; and monitoring a well parameter using a sensor
operatively coupled to the fiber optic line extending in the formation.